

Title (en)

Microwave ablation antenna radiation detector

Title (de)

Mikrowellen-Ablationsantennenstrahlungsdetektor

Title (fr)

Détecteur de radiation d'antenne d'ablation par micro-ondes

Publication

EP 2264828 A1 20101222 (EN)

Application

EP 10006373 A 20100618

Priority

US 48791709 A 20090619

Abstract (en)

A radiation detector disposed on a microwave antenna assembly is disclosed. The radiation detector includes a receiving antenna adapted to receive errant microwave energy and a rectifier coupled to the receiving antenna that is adapted to rectify at least a portion of the errant microwave energy. A filter is coupled to the rectifier and is adapted to convert the rectified microwave energy into a detection signal.

IPC 8 full level

A61B 18/14 (2006.01); **G01R 21/10** (2006.01); **G01R 29/08** (2006.01); **H01Q 1/24** (2006.01)

CPC (source: EP US)

A61B 18/1492 (2013.01 - EP US); **A61B 18/1815** (2013.01 - EP US); **G01N 22/00** (2013.01 - US); **G01R 21/00** (2013.01 - US); **G01R 29/0878** (2013.01 - EP US); **H01Q 1/248** (2013.01 - EP US); **A61B 2017/00039** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2264828 A1 20101222; **EP 2264828 B1 20180822**; JP 2011024203 A 20110203; JP 2015131116 A 20150723; JP 5815927 B2 20151117; JP 6411901 B2 20181024; US 2010321192 A1 20101223; US 2014046318 A1 20140213; US 2015015237 A1 20150115; US 8552915 B2 20131008; US 8847830 B2 20140930; US 9625395 B2 20170418

DOCDB simple family (application)

EP 10006373 A 20100618; JP 2010139423 A 20100618; JP 2015009601 A 20150121; US 201314048835 A 20131008; US 201414499937 A 20140929; US 48791709 A 20090619